Louisville Metro Air Pollution Control District

Control Device Permit Application
Form AP-300B

Bag House/Fabric Filter

Deliver application to:
850 Barret Avenue
Louisville, KY 40204

(502) 574-6000
FAX: (502) 574-5137
www.louisvilleky.gov/apcd
airpermits@louisvilleky.gov

Plant Name:		Plant ID:
Date of construction, modification, installation, or operation:	Process equipment associated with this control equipment:	

Equipment Description					Control ID #
Manufacturer:				Model:	
Baghouse airflow	☐ Forced draft	☐ Inside out	Air flow rate:	-	(operating range)
	☐ Induced draft	☐ Outside in	Pressure drop:	-	(operating range)
Number of baghouse compartments:			Number of bags per compartment:		
Can the compartments be isolated for maintenance or repair?			☐ Yes	☐ No	
Fabric type	☐ Felted	☐ Sintered metal	☐ Cartridge	Fabric material:	
	☐ Woven	☐ Membrane	☐ Other:	Removal Efficiency:	%
Describe how the collected material is handled:					
Attach a copy of the manufacturer's spec sheets for the baghouse unit and the filters with this application					

List the contaminants in the waste stream that are removed by the baghouse:

Contaminant	**CAS # (if applicable)**	**Collection rate**

Instructions for Bag House/Fabric Filter

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A fabric filter removes dust from a gas stream by passing the stream using a porous fabric. Dust particles form a porous cake on the surface of the fabric. This cake contributes significantly to the filtration efficiency.

General Information

Plant Name Enter the plant name.

Plant ID # This is the identification number assigned to the source by the District. If this application is for a new source for which an ID has not been assigned, leave this blank.

Equipment Description

Manufacturer Enter the name of the company that manufactures the baghouse equipment.

Model # Enter the model number of the equipment to be installed.

Baghouse Airflow Check whether the airflow is by forced or induced draft, whether the airflow is from the outside of the bag to the inside or from the inside to the outside, and what the airflow through the baghouse is and the nominal pressure drop across the bags.

Baghouse compartments Enter the number of chambers in the baghouse structure.

Bags per compartment Enter the number of bags that are used in *each* compartment.

Compartment isolation Can the chambers be isolated so that the baghouse can remain on-line while maintenance or repair operations are occurring on other compartments?

Fabric type Check the box corresponding to the construction of the bag, then enter the material from which the bags are made (wool, Nomex, PTFE, *etc*) and the rated particulate removal efficiency of the bags.

Material Handling Describe how the material captured by the baghouse is collected and disposed.

Contaminant Removal List the materials that are removed from the airstream by the baghouse filters. If a CAS registration number exists for the material list that as well. Finally, list the typical amount of material removed, by magnitude and unit of measure (*e.g.* 0.2 lb/ft^3, 20 lb/hr).